

Appendix C
Irrigation Ditch Company Coordination Forms

US Highway 50, Pueblo to Kansas Border Irrigation Company Information

CANAL NAME	STRUCTURE / MILE	STRUCTURE DESCRIPTION / YEAR BUILT	IRRIGATION COMPANY	REPRESENTATIVE (Ditch Rider)	PHONE
Booth Canal	N/A	N/A	Pueblo Board of Water Works	Alan Ward	(719) 584-0235
Excelster Ditch	Minor Structure/approx mil. 328	CBC/Unknown	Private Owner - Dick Evans	Bad O'hara	(719) 250-8451 cell
Rocky Ford Highline Canal	L-20-B/335.855;	65' Arch Bridge/1932	Rocky Ford Highline Canal Company	Dick Evans	(719) 469-2058 cell
Oxford Farmers Ditch	L-20-C/347.072	24' Timber Bridge/1938	Oxford Farmers	Dan Henrichs	(719) 263-5534
Otero Canal	L-21-A/354.400; L-21-I/355.195; L-21-DC/355.196; L-21-B/358.455	27' Concrete Bridge/1947; 33' Concrete Bridges/1957&98; 12'x8' CBC/1960	Otero Ditch & Irrigation Company	Jerry Harris	(719) 469-2124 cell
Cadlin Canal	L-21-K (or N7)/360.262	20'x6' CBC/1969	Cadlin Canal Company	Darrel Nicholas	(719) 384-2976
Rocky Ford Ditch/Canal	L-22-I/368.525	32' Concrete Bridge/1934	Rocky Ford Ditch Company	Elmer Bauman	(719) 580-6198 cell
Fort Lyon Canal	No Crossings	LA JUNTA	Fort Lyon Canal Company	Wayne Whitaker	(719) 254-3369
Las Animas Canal (Jones Ditch)	L-23-C/392.62	CBC/1958	Las Animas Consolidated Canal	Harry Nelson	(719) 254-3203
Fort Bent Canal	No Crossings	JOHN MARTIN RESERVOIR	Fort Bent Ditch Company	Manny Torres	(719) 466-0720
Keesee Canal	No Crossings	N/A	Keesee Canal	Bob West	(719) 456-0993
Amity Canal	L-26-BR/428.71	NEW STRUCTURE, verify new structure number & type of structure	Amity Mutual Irrigation Co.	Leo Idler	(719) 336-1966
Lamar Canal	L-26-E/434.78; L-26-BV/436.76	25' Conc Bridge/1931-62; CBC/1987	Lamar Canal	Bill Boyles	(719) 336-8701
Hyde Canal	No Crossings	N/A	Hyde Canal	Lewis Davis	(719) 537-6627
Manvel Canal	2 minor structures near Roosevelt School	CBC/Unknown	Manvel Canal	Ernie Hofmeister	(719) 336-7398
XY Canal	Minor structure in Granada	Ditch is not used any more except for filed drainage.	Manvel Canal	Jim Rogers	(719) 336-2124
Buffalo Canal	Minor structure east of Holly	CBC/Unknown	Buffalo Canal	Don Higby	(719) 336-9696
STATE IRRIGATION WATER COMMISSION				Don Higby	(719) 336-9697
				Rod Thompson	(719) 537-6091
				Charlie Didomenico	(719) 542-3368 ext 103



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 13 Nov 00	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 Pueblo to La Junta			
Name of Ditch Company: Excelsior Irrigating Company		Name of Ditch: Excelsior Ditch	
Mailing Address: 223 Nyberg Pueblo, CO 81006			
Ditch Company Contact: Dick Evans (President)		Phone Number: (719) 250-8451 (cell) (719) 948-4528 (home)	
Design Flow: Unknown	Decreed Flow: 60-cfs	Normal Flow: 60-cfs	Storm Runoff: Yes "lots"
Required Freeboard: 1-ft		Time of Year Ditch is Dry: Dec - Feb (Not in the Winter Storage Program)	
If Ditch has overflowed, where and what was discharge?: Yes, 1998 & 1999, 5 separate locations Q=unknown			
Special Maintenance Problems: After crossing under US 50, the ditch closely parallels US 50, maintenance is difficult and vehicles have crashed into the ditch.			
When is Ditch Dredged: Annually		Anticipated Depth of Dredge from Existing: 1-ft avg.	
Required Access to Ditch Riders Road: Yes		Type of Vehicles: P/U, Backhoe	
Is the Ditch on Fee Title Ownership or an Easement: Ownership		Width: 90-ft centered on ditch except where ditch was relocated and runs parallel to US 50. Ditch moved to northside of ROW in this location.	
Engineer for Ditch Company: Ralph Atkins, Pueblo, CO (719) 544-6828		Attorney for Ditch Company: John Naylor (719) 543-7243	
Type and Size of Existing Structure:		Is Existing Structure Adequate?: Yes for Irrigation flow; No for combined irrigation and stormwater flows	
Type and Size of Proposed Structure (Estimate): Similar to existing, overflow may be required along southside of US 50 to divert stormwater flows to Chico Creek.			
Canal Cross Section Required: Unknown, plans available, sections recently re-designed by NRCS.		Ditch Lining Required: No	
Special Requirements: Existing CDOT Structure: Not on structure list, mile: 328 Ditch reopened in 1997/98 to reduce salinity of sprinkler irrigation water, funded by CWCB loan (\$250K) Rehab work began in 1998 and is to be completed by March of 2001. 3 irrigation company shareholders: Lafarge, Stonewall Springs Farms, and Arkansas Ground Water Users Association.			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 25 Oct 00	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 Pueblo to La Junta			
Name of Ditch Company: Rocky Ford Highline Canal Company		Name of Ditch: Rocky Ford Highline Canal	
Mailing Address: PO Box 800, Rocky Ford, CO 81067			
Ditch Company Contact: Vernon Procter (President) Dan Henrichs (Maint Supervisor)		Phone Number: (719) 254-4260 (719) 469-4107 (cell)	
Design Flow: 100cfs (in By-Laws)	Decreed Flow: 505 cfs	Normal Flow: 350-500 cfs	Storm Runoff: 600 cfs (+/-)
Required Freeboard: 2-ft		Time of Year Ditch is Dry: 15 Nov to 15 Mar	
If Ditch has overflowed, where and what was discharge?: Has built-in overflow locations, 2 each about 3 mi. upstream Overflowed in 1999, Q=unknown, in excess of 1000 cfs			
Special Maintenance Problems: None			
When is Ditch Dredged: No formal schedule About every 7 to 10 years		Anticipated Depth of Dredge from Existing: 3-ft max	
Required Access to Ditch Riders Road: Yes, both sides of US 50		Type of Vehicles: Pick up/ backhoe/ dragline	
Is the Ditch on Fee Title Ownership or an Easement: Easement		Width: 80 to 100-ft	
Engineer for Ditch Company: Boesch-Fisher Engineering, Denver, CO		Attorney for Ditch Company: Scott Foncannon 512 N. Main St., Rocky Ford, CO 81067 (719) 254-7443	
Type and Size of Existing Structure: 65-ft concrete arch bridge; built 1932		Is Existing Structure Adequate?: Yes, works well	
Type and Size of Proposed Structure (Estimate): Prefer arch type of structure, passes weeds more easily during Spring start up.			
Canal Cross Section Required: 40-ft bottom width 5-ft depth (By Laws) 1:1 side slope		Ditch Lining Required: None	
Special Requirements: Existing CDOT Structure No: L-20-B, mile: 335.855 Dennis Tabor, Secretary (719) 254-4260			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 16 Nov 00	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 Pueblo to La Junta			
Name of Ditch Company: Rocky Ford Ditch Company		Name of Ditch: Rocky Ford Ditch/Canal	
Mailing Address: PO Box 752, Rocky Ford, CO 81067			
Ditch Company Contact: Ron Ascherman (President) Harry Nelson (Ditch Rider)		Phone Number: (719) 254-3203/7984 (719) 469-1293 (cell)	
Design Flow: 112 cfs +/-	Decreed Flow: 112 (See note below)	Normal Flow: 52 cfs	Storm Runoff: Yes, limited amount, can dump just U/S.
Required Freeboard: 1-ft		Time of Year Ditch is Dry: Dec - Feb (Not in Winter Storage Program)	
If Ditch has overflowed, where and what was discharge?: Yes, west of Rocky Ford near SH 71.			
Special Maintenance Problems: None			
When is Ditch Dredged: Not Required		Anticipated Depth of Dredge from Existing: N/A	
Required Access to Ditch Riders Road: No, use city streets		Type of Vehicles: N/A	
Is the Ditch on Fee Title Ownership or an Easement: Easements		Width: Unknown, approx.=ditch top width	
Engineer for Ditch Company: None		Attorney for Ditch Company: Name Unknown	
Type and Size of Existing Structure: 32-ft concrete bridge, built: 1932		Is Existing Structure Adequate?: Yes	
Type and Size of Proposed Structure (Estimate): Match existing			
Canal Cross Section Required: Match Existing		Ditch Lining Required: Yes, riprap	
Special Requirements: Existing CDOT Structure No: L-22- I, mile: 368.525 Decreed Flow is expected to be reduced by the Water Court by 2002. Existing waste gate approx. 1/4 mile upstream near old Sugar factory.			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 25 Oct 00	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 Pueblo to La Junta			
Name of Ditch Company: Oxford Farmers		Name of Ditch: Oxford Farmers Ditch	
Mailing Address: 201 Main St, Fowler, CO 81039			
Ditch Company Contact: Quinten Smith (President) Jerry Harris (Ditch Rider)		Phone Number: (719) 263-5534 (719) 469-2124 (cell)	
Design Flow: Unknown Estimate 200 cfs	Decreed Flow: 130 cfs	Normal Flow: 130 cfs	Storm Runoff: 70 cfs (+/-)
Required Freeboard: almost zero at 130 cfs		Time of Year Ditch is Dry: 15 Nov to 15 Mar	
If Ditch has overflowed, where and what was discharge?: Yes 1999, 2 mi. upstream of crossing Q=220 cfs (+/-)			
Special Maintenance Problems: Difficult access immediately adjacent to US 50.			
When is Ditch Dredged: No formal schedule About every 10 years		Anticipated Depth of Dredge from Existing: 1-ft	
Required Access to Ditch Riders Road: Yes		Type of Vehicles: Pick up/ backhoe/ tractor	
Is the Ditch on Fee Title Ownership or an Easement: Combination – South of US 50 – own; North-easement		Width: South of US 50 – 70-ft North of US 50 – 100-ft (50-ft each side of ditch centerline)	
Engineer for Ditch Company: None		Attorney for Ditch Company: None	
Type and Size of Existing Structure: 25-ft single span timber bridge; built 1938		Is Existing Structure Adequate?: Yes, barely	
Type and Size of Proposed Structure (Estimate): Prefer concrete bridge			
Canal Cross Section Required: Unknown		Ditch Lining Required: None	
Special Requirements: Existing CDOT Structure No: L-20-C, mile: 347.072 Existing headgate approx. 50-ft north of US 50. Existing abutment piling are rotting below water level – “bad shape”			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 25 Oct 00	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 Pueblo to La Junta			
Name of Ditch Company: Otero Ditch & Irrigation Company		Name of Ditch: Otero Ditch	
Mailing Address: Crockett & Stover CPAS, LLC 313 West Third, Suite 202, PO Box 358, La Junta CO 81050-0358			
Ditch Company Contact: Carroll Canon Darrel Nicholas (<i>Ditch Rider</i>)		Phone Number: (719) 348-2976 (719) 980-6198 (<i>cell</i>)	
Design Flow: 125 cfs	Decreed Flow: 123 cfs	Normal Flow: 25 cfs	Storm Runoff: Yes Q=unknown
Required Freeboard: Unknown		Time of Year Ditch is Dry: Sep to 15 Nov (Not in Winter Storage program)	
If Ditch has overflowed, where and what was discharge?: 1999, ditch was at max capacity (est. 150 cfs); Otero Ditch as washed out by breaches in the Rocky Ford Highline Canal, upslope from the Otero Ditch.			
Special Maintenance Problems: Difficult access, guardrails severely limit access. Roadside/irrigation drainage ditch outfalls into Otero Ditch depositing sediment and limits access.			
When is Ditch Dredged: No formal schedule About every 5 years		Anticipated Depth of Dredge from Existing: 1-ft	
Required Access to Ditch Riders Road: Yes, east of structure		Type of Vehicles: Pick up/ backhoe/tractor	
Is the Ditch on Fee Title Ownership or an Easement: Most is Fee Title Ownership		Width: 100 -ft total (60-ft downside, 40-ft upside)	
Engineer for Ditch Company: None		Attorney for Ditch Company: None/Unknown	
Type and Size of Existing Structure: 27-ft single span concrete bridge (CRF); built 1947		Is Existing Structure Adequate?: Yes	
Type and Size of Proposed Structure (Estimate): Similar to existing			
Canal Cross Section Required: Unknown		Ditch Lining Required: None	
Special Requirements: Existing CDOT Structure No: L-21-A, mile: 354.40 Gasline crosses ditch hung from CDOT structure Irrigation ditch collects irrigation drainage/tailwater			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 25 Oct 00	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 Pueblo to La Junta			
Name of Ditch Company: Otero Ditch & Irrigation Company		Name of Ditch: Otero Ditch	
Mailing Address: Crockett & Stover CPAS, LLC 313 West Third, Suite 202, PO Box 358, La Junta CO 81050-0358			
Ditch Company Contact: Carroll Canon Darrel Nicholas (<i>Ditch Rider</i>)		Phone Number: (719) 348-2976 (719) 980-6198 (<i>cell</i>)	
Design Flow: 125 cfs	Decreed Flow: 123 cfs	Normal Flow: 25 cfs	Storm Runoff: Yes Q=unknown
Required Freeboard: Unknown		Time of Year Ditch is Dry: Sep to 15 Nov (Not in Winter Storage program)	
If Ditch has overflowed, where and what was discharge?: 1999, ditch was at max capacity (est. 150 cfs); Otero Ditch as washed out by breaches in the Rocky Ford Highline Canal, upslope from the Otero Ditch.			
Special Maintenance Problems: Difficult access near structure			
When is Ditch Dredged: No formal schedule About every 5 years		Anticipated Depth of Dredge from Existing: 1-ft	
Required Access to Ditch Riders Road: Yes, east of structure		Type of Vehicles: Pick up/ backhoe/tractor	
Is the Ditch on Fee Title Ownership or an Easement: Most is Fee Title Ownership		Width: 100 -ft total (60-ft downside, 40-ft upside)	
Engineer for Ditch Company: None		Attorney for Ditch Company: None/Unknown	
Type and Size of Existing Structure: 33 & 34-ft single span concrete bridge (CDTPG & CSG)); built 1957 & 1998		Is Existing Structure Adequate?: Yes, works well	
Type and Size of Proposed Structure (Estimate): Similar to existing			
Canal Cross Section Required: Unknown		Ditch Lining Required: None	
Special Requirements: Existing CDOT Structure No: L-21-I & DC, mile: 355.195 Irrigation ditch collects irrigation drainage/tailwater Good location to observe ditch cross section.			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 25 Oct 00	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 Pueblo to La Junta			
Name of Ditch Company: Otero Ditch & Irrigation Company		Name of Ditch: Otero Ditch	
Mailing Address: Crockett & Stover CPAS, LLC 313 West Third, Suite 202, PO Box 358, La Junta CO 81050-0358			
Ditch Company Contact: Carroll Canon Darrel Nicholas (Ditch Rider)		Phone Number: (719) 348-2976 (719) 980-6198 (cell)	
Design Flow: 125 cfs	Decreed Flow: 123 cfs	Normal Flow: 25 cfs	Storm Runoff: Yes Q=unknown
Required Freeboard: Unknown		Time of Year Ditch is Dry: Sep to 15 Nov (Not in Winter Storage program)	
If Ditch has overflowed, where and what was discharge?: 1999, ditch was at max capacity (est. 150 cfs); Otero Ditch as washed out by breaches in the Rocky Ford Highline Canal, upslope from the Otero Ditch.			
Special Maintenance Problems: Limited access for maintenance on west and south sides			
When is Ditch Dredged: No formal schedule About every 5 years		Anticipated Depth of Dredge from Existing: 1-ft	
Required Access to Ditch Riders Road: Yes, east of structure		Type of Vehicles: Pick up/ backhoe/tractor	
Is the Ditch on Fee Title Ownership or an Easement: Most is Fee Title Ownership		Width: 100 -ft total (60-ft downside, 40-ft upside)	
Engineer for Ditch Company: None		Attorney for Ditch Company: None/Unknown	
Type and Size of Existing Structure: 12' X 8' CBC; Built 1960		Is Existing Structure Adequate?: Yes, marginal (see below)	
Type and Size of Proposed Structure (Estimate): Similar to existing but increase size capacity by 10%			
Canal Cross Section Required: Unknown		Ditch Lining Required: None	
Special Requirements: Existing CDOT Structure No: L-21-b, mile: 356.495 Gasline crosses ditch hung from CDOT structure Irrigation ditch collects irrigation drainage/tailwater			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 16 Nov 00	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 Pueblo to La Junta			
Name of Ditch Company: Catlin Canal Company		Name of Ditch: Catlin Canal	
Mailing Address: 917 Elm Ave, Rocky Ford, CO 81067			
Ditch Company Contact: Elmer Bauman (Superintendent) Wayne Whittaker (Secretary)		Phone Number: (719) 462-5280 (719) 254-3389	
Design Flow: 500cfs	Decreed Flow: 345 cfs	Normal Flow: 248 cfs	Storm Runoff: Yes Can dump just U/S on westside of town
Required Freeboard: 4-ft is typical for Normal Flow		Time of Year Ditch is Dry: 15 Nov-15 Mar (Participates in Winter Storage Program)	
If Ditch has overflowed, where and what was discharge?: Yes, in 1999 east of Rocky Ford, CO; first time in 18 years.			
Special Maintenance Problems: None			
When is Ditch Dredged: Not Required "Ditch cleans itself"		Anticipated Depth of Dredge from Existing: N/A	
Required Access to Ditch Riders Road: Yes		Type of Vehicles: P/U, backhoe, dragline, dump trucks	
Is the Ditch on Fee Title Ownership or an Easement: Easements		Width: 80-ft centered on ditch	
Engineer for Ditch Company: None retained Elmer Bauman does the engineering		Attorney for Ditch Company: Scott Fontanan, Rocky Ford, CO	
Type and Size of Existing Structure: 20' X 6' CBC, Built 1968/69		Is Existing Structure Adequate?: Yes	
Type and Size of Proposed Structure (Estimate): Match existing			
Canal Cross Section Required: Approx.: 30' bottom width, 40-ft top width		Ditch Lining Required: Yes, riprap	
Special Requirements: Existing CDOT Structure No: L-21-K (structure is stenciled with "L-21-N" on upstream side), mile: 360.262 Some erosion along downstream wingwall, west side.			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 14 June 01	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 La Junta to Kansas Border			
Name of Ditch Company: Las Animas Consolidated Canal Company		Name of Ditch: Las Animas Consolidated Canal (formally known as Jones Ditch)	
Mailing Address: 4818 Hwy 50 Las Animas, CO 81054-9502			
Ditch Company Contact: Robert West (Ditch Rider)		Phone Number: (719) 456-0993	
Design Flow: 160 cfs (+/-)	Decreed Flow: 130 cfs	Normal Flow: 75.8 cfs	Storm Runoff: Not at this location
Required Freeboard: 2-ft		Time of Year Ditch is Dry: 15 Nov – 15 Mar (John Martin Reservoir Winter Storage Program)	
If Ditch has overflowed, where and what was discharge?: NA			
Special Maintenance Problems: Left bank erosion just downstream of US 50 culvert outfall			
When is Ditch Dredged: Not required except upstream of head gates in the diversion ditch originating from the Arkansas River.		Anticipated Depth of Dredge from Existing: Varies	
Required Access to Ditch Riders Road: Yes At diversion works/head gates		Type of Vehicles: P/U; backhoe	
Is the Ditch on Fee Title Ownership or an Easement: Easement		Width: Unknown	
Engineer for Ditch Company: None		Attorney for Ditch Company: Contact Excel Energy, Denver, CO	
Type and Size of Existing Structure: L-23-C Single cell CBC		Is Existing Structure Adequate?: Yes	
Type and Size of Proposed Structure (Estimate): N/A			
Canal Cross Section Required: Match existing		Ditch Lining Required: None	
Special Requirements: Diversion works/head gates located approximately 500-ft upstream of US 50 crossing. Excel Energy, Denver, CO owns 98% of ditch company shares. The Riverside Ditch diverges from the Las Animas canal immediately upstream of the US 50 crossing. CDOT Structure: L-23-C, mile: 392.62, built 1958			

Location: N 38° 03.430'
W 103° 19.958'



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 14 June 01	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 La Junta to Kansas Border			
Name of Ditch Company: Lamar Canal & Irrigation Company		Name of Ditch: Lamar Canal	
Mailing Address: P.O. Box 287 Lamar, CO 81052			
Ditch Company Contact: Ernie Hofmeister (President)		Phone Number: (719) 336-5385 Home (719) 336-7398	
Design Flow: 285 cfs	Decreed Flow: 285.7 cfs	Normal Flow: 150 cfs	Storm Runoff: 20 cfs +/-
Required Freeboard: 1.5-ft +/-		Time of Year Ditch is Dry: 1 Nov – 1 Mar (Not in Winter Storage Program)	
If Ditch has overflowed, where and what was discharge?: N/A			
Special Maintenance Problems: Sediment collects under bridge due to a measuring flume location immediately downstream. Stoplight pole restricts equipment access to ditch			
When is Ditch Dredged: Every 1 – 2 years		Anticipated Depth of Dredge from Existing: 3 – 4-ft	
Required Access to Ditch Riders Road: Yes, west of US50 East of US 50 city streets provide access.		Type of Vehicles: P/U; dragline & excavator	
Is the Ditch on Fee Title Ownership or an Easement: Combination ownership and easements.		Width: Varies, 50 – 100-ft each side of centerline.	
Engineer for Ditch Company: None		Attorney for Ditch Company: None	
Type and Size of Existing Structure: L-26-E 25-ft Concrete slab bridge		Is Existing Structure Adequate?: Yes Maintenance access beneath the bridge is a problem.	
Type and Size of Proposed Structure (Estimate): Raise bridge to provide better access for clean-out equipment beneath the bridge.			
Canal Cross Section Required: Match existing		Ditch Lining Required: None	
Special Requirements: Location: N 38° 03.430' W 103° 19.958' CDOT Structure: L-26-E, mile: 434.78; built 1931, improved 1962			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 14 June 01	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 La Junta to Kansas Border			
Name of Ditch Company: Lamar Canal & Irrigation Company		Name of Ditch: Lamar Canal	
Mailing Address: P.O. Box 287 Lamar, CO 81052			
Ditch Company Contact: Ernie Hofmeister (President)		Phone Number: (719) 336-5385 Home (719) 336-7398	
Design Flow: 285 cfs	Decreed Flow: 285.7 cfs	Normal Flow: 150 cfs	Storm Runoff: 20 cfs +/-
Required Freeboard: 1.5-ft +/-		Time of Year Ditch is Dry: 1 Non – 1 Mar (Not in Winter Storage Program)	
If Ditch has overflowed, where and what was discharge?: N/A			
Special Maintenance Problems: Sediment collects in CBC due to inverted siphon entrance located immediately (approx. 100-ft) downstream that passes Lamar Canal flows beneath the Willow Creek Drainage channel.			
When is Ditch Dredged: Every 1 – 2 years		Anticipated Depth of Dredge from Existing: 3 – 4-ft	
Required Access to Ditch Riders Road: Not required		Type of Vehicles: N/A	
Is the Ditch on Fee Title Ownership or an Easement: Combination ownership and easements		Width: Varies, 50 – 100-ft each side of centerline	
Engineer for Ditch Company: None		Attorney for Ditch Company: None	
Type and Size of Existing Structure: L-26-BV CBC		Is Existing Structure Adequate?: Yes	
Type and Size of Proposed Structure (Estimate): N/A			
Canal Cross Section Required: Match existing		Ditch Lining Required: None	
Special Requirements: Location: N 38° 05.362' W 102° 35.652' CDOT Structure: L-26-BV, mile: 436.76, built 1987			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 14 June 01	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 La Junta to Kansas Border			
Name of Ditch Company: Manvel Canal & Irrigation Company Lower Arkansas Water Management Association (LAWMA)		Name of Ditch: Manvel Canal	
Mailing Address: P.O. Box 1161 Lamar, CO 81052			
Ditch Company Contact: Don Higby		Phone Number: (719) 336-9696	
Design Flow: 70-cfs +/-	Decreed Flow: 54-cfs	Normal Flow: 20-cfs	Storm Runoff: Negligible
Required Freeboard: 2-ft +/-		Time of Year Ditch is Dry: 15 Nov – 15 Mar (John Martin Reservoir Winter Storage Program)	
If Ditch has overflowed, where and what was discharge?: N/A			
Special Maintenance Problems: Weed control			
When is Ditch Dredged: No longer actively cleaned		Anticipated Depth of Dredge from Existing: N/A	
Required Access to Ditch Riders Road: None		Type of Vehicles: N/A	
Is the Ditch on Fee Title Ownership or an Easement: Easement – recently returned to owners		Width: Unknown	
Engineer for Ditch Company: (Helton & Williamson; Englewood, CO) No longer retained		Attorney for Ditch Company: David Harrison (Law Firm of Moses, Wittemyer, Harrison & Woodroof)	
Type and Size of Existing Structure: Estimated: 60" x 60" CBC		Is Existing Structure Adequate?: Yes	
Type and Size of Proposed Structure (Estimate): N/A			
Canal Cross Section Required: Match existing		Ditch Lining Required: None	
Special Requirements: - Existing structure is not currently on the CDOT Field Log of Structures. - The Manvel Canal was purchased by the Lower Arkansas Water Management Association (LAWMA) in 1995; it is no longer used to provide irrigation flows but is only used to collect drainage from adjacent agricultural fields. Location: N 38° 05.470' W 102° 26.878'			



Irrigation Ditch Company Coordination

Job No.: 67-00042409		Date: 14 June 01	
Client: CDOT Region 2		URS Contact: W. Alspach (719) 533-7884	
Project: US 50 La Junta to Kansas Border			
Name of Ditch Company: Manvel Canal & Irrigation Company Lower Arkansas Water Management Association (LAWMA)		Name of Ditch: X-Y Canal	
Mailing Address: P.O. Box 1161 Lamar, CO 81052			
Ditch Company Contact: Don Higby		Phone Number: (719) 336-9696	
Design Flow: 80-cfs +/-	Decreed Flow: 69-cfs	Normal Flow: 40-cfs	Storm Runoff: Yes, qty is variable
Required Freeboard: 2-ft +/-		Time of Year Ditch is Dry: 15 Nov - 15 Mar (John Martin Reservoir Winter Storage Program)	
If Ditch has overflowed, where and what was discharge?: N/A			
Special Maintenance Problems: Weed control			
When is Ditch Dredged: No longer actively cleaned		Anticipated Depth of Dredge from Existing: N/A	
Required Access to Ditch Riders Road: None		Type of Vehicles: N/A	
Is the Ditch on Fee Title Ownership or an Easement: Easement		Width: 50-ft; approx. 25-ft each side of centerline	
Engineer for Ditch Company: Helton & Williamson; Englewood, CO) No longer retained		Attorney for Ditch Company: David Harrison Moses, Wittemyer, Harrison & Woodroof)	
Type and Size of Existing Structure: CBC; size unknown		Is Existing Structure Adequate?: Yes	
Type and Size of Proposed Structure (Estimate): N/A			
Canal Cross Section Required: Match existing		Ditch Lining Required: None	
Special Requirements: <ul style="list-style-type: none">- Existing structure is not currently on the CDOT Field Log of Structures.- The X-Y Canal was purchased by the Lower Arkansas Water Management Association (LAWMA) in 1996; it is no longer used to provide irrigation flows but is only used to collect drainage from adjacent agricultural fields. Location: N 38° 03.769' W 102° 18.782'			